PTO/SB/08: (08-00)

Approver for use through 10/31/2002. OMB 0851-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control

Complete If Known Substitute for form 14498/PTO 10/086,376 Application Number INFORMATION DISCLOSURE STATEMENT BY APPLICANT Filing Date 02/5/2002 Igor KOUZNETSOV et al. First Named Inventor Date Submitted: June 13, 2002 2821 Group Art Unit Examiner Name Unassigned use as many sheets as necessary) Susse, Len 01 7 **Attorney Docket Number** 035905-0118

				U.S. PATENT DOCUMENTS	3	
Scaminer nitials*	Cite No.1	U.S. Patent Do	Kind Code ²	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
-1-0 -	B1	4,500,905	known)	Shibeta		
-4-	B2	6,185,122		Johnson et al.		
	B3	3,414,892		McCormack et al.	12/13/1968	
	B4	3,432,827		Samo	3/11/1969	
	B5	4,535,424		Reid		
	B6	4,630,096		Dive		
	B7	4,672,577		Hirose		
	B8	4.710.798		Marcantonio		
	B9	4,811,082		Jacobs		
	B10	5,001,539		Inoue et al.		
- I	B11	5,089,862		Warner, Jr. et al.		
	B12	5,160,987		Pricer et al.		
	B13	5,191,405		Tomita et al.		
	814	5,202,754		Berlin et al.		
	B15	5,266,912		Kledzik		
	B16	5,283,468		Kondo et al.		
	B17	5,398,200		Mazure et al.		
	B18	5,422,435		Takiar et al.		
	B19	5,426,566		Beilstein, Jr		
	B20	5,434,745		Shokrgozar et al.		
	B21	5,453,952		Okudaira		
	B22	5,455,455		Kurtz et al.		
	B23	5,468,997		Imai et al.		
	B24	5,471,090		Deutsch		
	B25	5,481,133		Hsu		
	B26	5,495,398		Takiar et al.		
	B27	5,502,289		Harada et al.		
	B28	5,523,622		Williams et al.		
	B29	5,523,628		Burns		
	B30	5,552,963 5,561,622		Bertin et al.		
	B31 B32	5,581,498		Ludwig et al.		
	B32	5,585,675		Knopf		
	B34	6,612,570		Elde et al.		
	B35	5,654,220		Leedy		
	B36	5,693,552	1	Hsu		
	B37	5,696,031		Wark		
	B38	5,703,747		Voldman et al.		
	B39	5.780,925		Cipolla et al.		
	B40	5,781,031		Berlin et al.		
	B41	5,801,437		Burns		
-1/-	B42	5,915,187		Leedy		l,

	I Date	
Examiner Long Pham Signature	Considered	Heryoy.
		and in conformation and and

*EXAMINER: Initial if reference considered, lightiner or not clietion is in conformance with MPEP 609: Draw line through considered. Include copy of this form with next communication to applicant.

Unique citation designation number: "See attached Kinds of U.S. Patent Documents." Enter Office that issued the document, by the wo-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. "Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible, "Applicant is to place a crisck mark nere if English tanguage Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Peterst and Trademark Office, Weshington, D.C. 2023). DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 2023).

PTO/SB/08 (08-00) for use through 10/31/2002, OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control

'E 4	INFORMATION DISCLOSURE	Application Number	10/066,376
	A\STATEMENT BY APPLICANT	Filing Date	02/5/2002
11 7004	Date Submitted: June 13, 2002	First Named Inventor	Igor KOUZNETSOV et al.
	Date Submitted, Julie 13, 2002	Group Art Unit	2821
	Luse es many sheets as necessary)	Examiner Name	Unassigned
	2 0 7	Attorney Docket Number	035905-0118

		U.S. Patent	Document		
	B43	5,969,380		Syyedy	
	844	5,978,953		Zavracky et al.	
	B45	5,985,693		Leedy	
	B46	6,057,598		Payne et al.	
	B47	6,072,234		Camien et al.	
	B48	6,087,722		Lee et al.	
	B49	6,133,640		Leedy	
	B50	6,351,028		Akram	
	B51	6,281,042	B1	Ahn et al.	
	B52	6,291,858	B1	Ma et al.	
	B53	6,307,257	B1	Huan et al.	
₩ ₩	B54	6,314,013	B1	Ahn et al.	
***	B55	6,322,903	B1	Siniaguine et al.	
₩ ₩	B56	6,337,521	B1	Masuda	
***	B57	6,353,265	B1	Michii	
	B58	6,355,501	B1	Fung et al.	***
**	B59	6,197,641	B1	Hergenrother et al.	

caminer	Cite No.	and the same of the same of the same		ni Code ⁵ xwn)	Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	7
***	B60	EPO	0 073 486	A2	Toyama et al.	8-26-1982		
W1	861	JP	61-222216		Yöhehara	10-2-1986		1
	B62	wo	94/26083		Carson et al.	11-10-1994		
	B63	EPO	0 516 866	A1	Bayer et al.	12-9-1992		
	B64	EPO	0 644 548	A2	Bertin	9-2-1984		
	B65	EPO	0 800 137	A1	Genduso et al.	3-14-1997		
	B66	EPO	0 606 653	A1	Harward et al.	7-20-1994		
	B67	EPO	0 395 886	A2	Oota et al.	11-7-1990		
	B68	JP	63-52463		Hitachi	3-5-1998		
	B69	JP	6-22352		Toshiba			
J /	B70	EPO	0 387 834	A2	Wada	9-14-1990		4
· /								

	フカッパ Date リフィー・フィー・
Examiner Long /	Mam Date Considered 7/22/04
Examiner Long /	

EXAMINER: Initial if reference considering, whether or not cliation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Unique citation designation number. *See stached Kinds of U.S. Patent Occuments. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the seried number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. *Applicant is to place a check mark here if English language Translation is attached.

Surden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of sine you are required to complete this form should be sent to the Chief Information Officer, U.S. Petent and Trademant Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

PTO/SB/08 (08-00) Approved for use through 10/31/2002, OMB 0651-0031 U.S. Patent and Tradement Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control

P E C Substitute for form 1449B/PTO	Complete if Known	
INFORMATION DISCLOSURE	Application Number 10/066,376	
1 10 STATEMENT BY APPLICANT	Filing Date 02/5/2002	
₹ 6 - # 1	First Named Inventor Igor KOUZNETSOV et al.	
Bate Submitted: June 13, 2002	Group Art Unit 2821	
Se as many sheets as necessary)	Examiner Name Unassigned	
Triple 3 of 7	Attorney Docket Number 035905-01:18	

caminer itials*	Cite No.1	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	
LP	B71	ABOU-SAMRA S.J.: "3D CMOS SOI for High Performance Computing", Low Power Electronics and Design Proceedings, 1998.	
	B72	YAMAZAKI K. "4-Layer 3-D IC Technologies for Parallel Signal Processing". International Electron Devices Meeting Technical Digest: December 9-12, 1990, pgs 25.5.1 - 25.5.4.	
	B73	SCHLAEPPI H.P.: "nd Core Memories using Multiple Coincidence", IRE Transactions on Electronic Computers, June 1960, pgs 192 - 196.	
	B74	SCHLAEPPPPI H.P.: "Session V: Information Storage Techniques", International Solid-State Circuits Conference, February 11, 1960, pgs. 54-55.	Ī
	B75	DE GRAAF C, et al.: "A Novel High-Density, Low-Cost Diode Programmable Read Only Memory," IEDM, beginning at page 189	1
	B76	PETER K. NAJI et al.: "A 256kb 3.0V 1T1MTJ Nonvolatile Magnetoresistive RAM," 2001 IEEE international Solid-State Circuits Conference. Digest of Technical Papers, ISSCC 2001/Session 7/Technology Directions: Advanced Technologies/7.6, February 6, 2001, pp. 122-123 (including enlargement of figures, totaling 9 pages), and associated Visual Supplement, pp. 94-95,4040-405 (enlargements of slides submitted; totaling 25 pages)	1
	B77	KIM C. HARDEE et al.: "A Fault-Tolerant 30 ns/375 mW 16K x 1 NMOS Static RAM," IEEE Journal of Solid-State Circuits, October 1981, Vol. SC-16, No. 5, pages 435-443	I
	878	TOSHIO WADA et al.; *A 15-ns 1024-Bit Fully Static MOS RAM,* IEEE Journal of Solid-State Circuits, October 1978, Vol. SC-13, No. 5; pages 635-639	
	B79	CAMPERI-GINESTET C.: "Vertical Electrical Interconnection of Compound Semiconductor Thin-Film Devices to Underlying Silicon Circuitry", IEEE Photonics Technology Letters; Vol. 4, No. 9, September 1992, pgs. 1003-1006	
	B80	AKASAKA YOICHI: Three-dimensional Integrated Circuit: Technology and Application Prospect*, Microelectronics Journal, Vol. 20, No.s 1-2, 1989, pgs. 105 - 112.	***************************************
	B81	SAKAMOTO KAJI: "Architecture des Circuits a Trois Dimension (Architecture of Three Dimensional Devices)", Bulletin of the Electrotechnical Laboratory, ISSN 0366-9092, Vol. 51, No. 1, 1987, pgs 16 - 29.	
\Box	B82	AKASAKA YOICHI: "Three-dimensional IC Trends", "Proceedings of the IEEE, Vol. 74, No. 12, 1986, Pgs. 1703 - 1714.	

Examiner Signature Long Pham Considered 7/22/07	
Examiner Signature Long Pham Date Considered 7/22/02	
Examiner Signature Loun Pham Date Considered 7/22/03	
Examiner Signature Foun Pham Considered 7/22/07	
Examiner Signature Long Pham Date Considered 7/22/07	
Examiner Signature Long Pham Considered 7/22/07	
Examiner Signature Long Pham Considered 7/22/07	
Examiner Signature Foun Pham Considered 7/22/09	
Signature Foun Pham Considered 7/22/07	
Signature Form Pham Considered 7/22/07	
Signature FOND PROM Considered 7/22/09	
Signature Form Proving Considered 4/22/09	
Signature FOND PILLIM Considered F122/09	
Signature POVD / 1007V Considered P(22/09)	
Signature FUILITY 171471	
Signature / Color / 1.01.1	
Signature 7 C . St. 1 . Ct. 1	

*EXAMINER: Initial if reference consolered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will very depending upon the needs of the individual case. Any comments on "the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office. Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Palents: Washington, D.C. 20231.

^{*}Unique cliation designation number *See stached Kinds of U.S. Patent Documents *Enter Office that issued the document: by the two-lotter code (WIPO Standard ST.3). *For Japanese patent documents; the indication of the year of the reign of the Emperor must precede the senial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant to be place a check mark here if English language Translation is attached.

PTO/SB/08 (08-00)

Approve for use through 10/31/2002: OMB 0551-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control

Complete If Known
Application Number 10/068;376
Filing Date 02/5/2002
First Named Inventor Igor KOUZNETSOV et al.
Group Art Unit 2821
Examiner Name Unassigned
Attorney Docket Number 035905-0118

		OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS	
xaminer nitals*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	7
LP	B83	CARTER WILLIAM H.: "National Science Foundation (NSF) Forum on Optical Science and Engineering", Proceedings SPIE - The International Society for Optical Engineering, Vol. 2524, July 11 - 12 1995, (Article by N. Joverst titled "Manufacturable Multi-Material Integration Compound Semi-conductor Devices Bonded to Silicon Circuity".	
	B84	HAYASHI Y.: "A New Three Dimensional IC Fabrication Technology, Stacking Thin Film Dual-CMOS Layers", IEDM, 1991, pgs. 25.6.1 - 25.6.4.	
	B85	REBER M.: "Benefits of Vertically Stacked Integrated Circuits for Sequential Logic", IEEE, 1996; pgs. 121-124.	
	B86	STERN JON M. *Design and Evaluation of an Epoxy Three-dimensional Multichip Module, IEEE Transactions on Components, Packaging, and Manufacturing Technology - Part B, Vol. 19, No. 1, February 1996, pgs 188-194.	
	B87	BERTIN CLAUDE L: "Evaluation of a Three-dimensional Memory Cube System", IEEE Transactions on Components, Hybrids; and Manufacturing Technology, Vol. 16, No. 8, December 1993, pgs. 1006 - 1011.	
	-B88	WATANABE HIDEHIRO: "Stacked Capacitor Cells for High-density Dynamic RAMs", IEDM, 1988, pgs. 600 - 603.	
	B89	WEB PAGE: "Stacked Memory Modules", IBM Technical Disclosure Bulletin, Vol. 38, No. 5, 1995.	
	890	THAKUR SHASHIDHAR: "An Optimal Layer Assignment Algorithm for Minimizing Crosstalk for Three VHV Channel Routing", IEDM, 1995, pgs. 207 - 210.	
	B91	TERRIL ROB: "3D Packaging Technology Overview and Mass Memory Applications", IEDM, 1996, pgs. 347 - 355.	
	B92	INOUE Y: "A Three-Dimensional Static RAM", IEEE Electron Device Letters, Vol. 7, No. 5, May 1986, pgs, 327 - 329.	
	B93	REBER M.: "Benefits of Vertically Stacked Integrated Circuits for Sequential Logic", IEDM, 1995, pgs. 121 - 124.	
	B94	KUROKAWA TAKAKAZU: "3-D VLSI Technology in Japan and an Example: A Syndrome Decoder for Double Error Correction", FGCS - Future, Generation, Computer, Systems", Vol. 4, No. 2, 1988, pgs. 145-155, Amsterdam, The Netherlands.	

	of the edge black of the edge
inter 1 and 1/1/2014 Date 1/1/20	T AND TO BY ANY ADDRESS OF THE
Signature L-0V(U) V(U) Considered Y/22/	ACCOUNT AND ADDRESS OF THE PARTY OF THE PART
I SILIRIUE COMMON COMMO	
	A CONTRACTOR OF THE PROPERTY O
A SATTON CONTROL OF THE PARTY O	

*EXAMINER: Initial if reference considered, whether or not clation is in conformance with MPEP 809. Oraw line through citation if not in conformance and not considered. Include copy of this form with next communication to epplicant.

Unique challon designation number. See attached Kinds of U.S. Patent Documents. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the sentel number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible: "Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office. Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

PTO/SB/08 (08-00)

Approver for use through 10/31/2002: OMB 0551-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control

E Jo. Substitute for form 14498/PTO	Co	mplete if Known
NINEOPMATION DISCLOSURE	Application Number	10/066,376
STATEMENT BY APPLICANT	Filing Date	02/5/2002
Spate Submitted: June 13, 2002	First Named Inventor	Igor KOUZNETSOV et al.
Spare Substituted. Some 15, 2002	Group Art Unit	2821
(\$\int_{\text{se}} \ \text{as many sheets as necessary}	Examiner Name	Unassigned
Speak of 7	Attorney Docket Number	035905-0118

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS
aminer lials*	Cité No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.
LP	B95	MAKINIAK DAVID: "Vertical Integration of Silicon Allows Packaging of Extremely Dense System Memory In Tiny Volumes: Memory-chip Stacks Send Density Skyward", Electronic Design, No. 17, August 22, 1994, pgs. 59-75, Cleveland Ohio.
	B96	YAMAZAKI K.: "Fabrication Technologies for Dual 4-KBIT Stacked SRAM", IEDM 18.8., 1986, pgs. 435-438.
	B97	PEIN HOWARD: "Performance of the 3-D PENCIL Flash EPROM Cell an Memory Array", IEEE Transactions on Electron Devices, Vol. 42, No. 11, November 1995, pgs. 1982-1991.
	B98	Abstract LOMATCH S.: "Multilayered Josephson Junction Logic and Memory Devices", Proceedings of the SPIE-The International Society for Optical Engineering Vol. 2157, pgs. 332-343.
	B99	Abstract LU.N.C.C.: "Advanced Cell Structures for Dynamic RAMs", IEEE Circuits and Devices Magazine, Vol. 5, No. 1, January 1989, pgs. 27-36.
	B100	Abstract SAKAMATO K.: "Architecture of Three Dimensional Devices", Journal: Bulletin of the Electrotechnical Laboratory, Vol. 51; No. 1, 1987, pgs. 16-29.
	B101	Abstract Wide Application of Low-Cost Associative Processing Associative Processing Seen*, Electronic Engineering Times, August 26, 1996, pg. 43.
	B102	Abstract *Interconnects & Packaging*, Electronic Engineering Times, November 27, 1995, pg. 43.
	B103	Abstract *Closing in on Gigabit DRAMs*, Electronic Engineering Times, November 27, 1995, pg. 35.
	B104	Abstract "Module Pact Pairs Cubic Memory with VisionTek", Semiconductor Industry & Business Survey, Vol. 17, No. 15, October 23, 1995.
	B105	Abstract "Layers of BST Materials Push Toward 1Gbit DRAM", Electronics Times, October 19, 1995.
	B106	Abstract Technologies Will Pursue Higher DRAM Densities", Electronic News (1991), December 4, 1994, pg. 12.

Examiner Signature Love	y Pham	Date Considered	4/22/04.

*EXAMINER: Initial II reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

"Unique clation designation number. "See attacted Kinds of U.S. Patent Documents. "Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3)." For by parents patent documents, the indication of the year of the retgin of the Emperor must precede the senta number of the patent document. Wind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible: "Applicant is to place a check mark here if English language Translation is attacted."

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Petent and Tradement Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

PTO/SB/08 (08-00)

Approximate direction 1/2012 ONB 0651-0031
U.S. Petent and Tredemark Office: U.S. DEPARTMENT OF COMMERCE.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it contains a velid OMB control

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Sate Submitted: June 13, 2002 (luse as many sheets as necessary)

> of 7

6

Co	mplete if Known
Application Number	10/066:376
DESCRIPTION OF THE PROPERTY OF	02/5/2002
First Named Inventor	Igor KOUZNETSOV et al.
	2821
Examiner Name	Unassigned
Allamey Docket Number	035905-0118

		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cile No.1	Include name of the author (in CAPITAL LETTERS); title of the article (when appropriate), title of the item (book, magazine; journal, serial, symposium, catalog; etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	7*
LP	B107	Abstract "Looking Diverse Storage", Electronic Engineering Times, October 31, 1994, pg. 44.	
	B108	Abstract "Special Report: Memory: Market Startups Cubic Memory: 3D Space Savers", Semiconductor Industry & Business Survey, Vol. 16, No. 13, September 12, 1994.	
	B109	Abstract Technique Boosts 3D Memory Density*, Electronic Engineering Times, August 29, 1994, pg. 16.	
	B110	Abstract "Memory Packs Polsed 3D Use", Electronic Engineering Times, December 7, 1992, pg. 82	
	B111	Abstract "MCMs Hit the Road", Electronic Engineering Times, June 15, 1992, pg. 45.	
	B112	Abstract "IEDM Ponders the 'Gigachip' Ere", Electronic Engineering Times; January 20, 1992, pg. 33.	
	B113	Abstract Tech Watch: 1-Gbit DRAM in Sight", Electronic World News, December 16, 1991; pg. 20.	
	B114	Abstract "MCMs Meld into Systems", Electronic Engineering Times, July 22, 1991, pg. 35.	
	B115	Abstract "Systems EEs See Future in 3D", Electronic Engineering Times, September 24, 1990, pg. 37.	
	B116	Patent Application, NISHIURA, US 2001/00054759 A1	
	B117	Patent Application, FURUSAWA, US 2002/0024146 A1.	
	B118	Patent Application, FUJIMOTO et al, US 2002/0027275 A1.	

Examiner Signature Loug Pharm Date Considered 7/22/04.

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

Unique cliation designation number. "See strached Kinds of U.S. Patent Documents: "Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the seriel number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. "Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Tradement Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

PTO/SB/08 (08-00)
Approved or use through 10/31/2002 OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are regulared to respond to a collection of information unless it contains a valid OMB control

P E Substitute for form:14498/PTO	Comp	plete If Known
公INFORMATION DISCLOSURE	Application Number 1	0/068,376
, TO ATATEMENT BY APPLICANT	Filing Date 0	2/5/2002
M Date Submitted: June 13, 2002	First Named Inventor k	pr KOUZNETSOV et al.
67	Group Art Unit 2	B21
(See as many sheets as necessary)	Examiner Name U	nassigned
	Attorney Docket Number 0	35905-0118

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cile No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	٦.
LP	B119	Patent Application, AKRAM, US 2002/0030262 A1:	
Ť	B120	Patent Application, AKRAM, US 2002/0030263 A1.	
	B121	Patent Application, LEEDY, US 2001/0033030 A1.	
V	B122	Chan et al. "Three Dimensional CMOS Integrated Circuits on Large Grain Polysilicon Films" EEE, Hong Kong University of Science and Technology 2000 IEEE	
-			

Long Phan Date Examiner Signature Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 509. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Unique citation designation number: ¹See attached Kinds of U.S. Patent Documents: ²Enter Office that issued the document; by the two-letter code (WIPO Standard ST.3). *For Jepanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete: Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office. Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

PTO/S8/08 (08-00)
Applied for use through 10/31/2002 OMB 0851-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control

PE Substitute for form 14498/PTO	Complete If Known
INFORMATION DISCLOSURE	Application Number 10/066,376
. T STATEMENT BY APPLICANT	Filing Date 02/05/2002
Bate Submitted: September 20, 2002	First Named Inventor Igor G. KOUZNETSOV
Bara Submitted. September 20, 2002	Group Art Unit 2823
★/(use as many sheets as necessary)	Examiner Name Not Assigned
478168 1 of 1	Altomay Docket Number 035905-0118

U.S. Patent Document			Date of Publication of	Pages, Columns, Lines, Where Relevant		
Examiner Initials	85	Number	Kind Code ² (if	Name of Patentee or Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear
- P	C1	6,110,278		Saxena	8/29/2000	
	C2	RE37,259 E		Ovshinsky	7/3/2001	
	C5	0055838A1		Walker et al	12/27/2001	
N/	C8	0028541A1		Lee et al	03/07/2002	

Examiner Cite Foreign Patent Document Name of Patentee or Ci	nte of Publication of Pages, Courres, Lines, Where Relevant Passages or Relevant Figures Appear

		OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	7°
LP	C3	*3D Chip-On-Chip Stacking,* Semiconductor International, December 1991	
LP	C4	RICHARD W. LAY: "TRW Develops Wireless Multiboard Interconnect System," Electronic Engineering Times, November 5, 1994	
			T

Examiner Long	Pham	Date 7/22/	04.

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Unique citation designation number. See exteched Kinds of U.S. Patent Documents, Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the epopropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. *Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will very depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be cent to the Chief Information Officer, U.S. Petent and Trademark Office, Washington, D.C. 20231; DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

PTO/SE/08E (08-00)
Approved for use through 10/31/2002 OMB 0851-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control

Substitute for form 14498/PTO		Complete if Known
	Application Number	10/068,376
STATEMENT BY APPLICANT	Filing Date	February 5, 2002
Obje Submitted: April 5, 2002	First Named Inventor	Igor KOUZNETSOV et al.
	Group Art Unit	2823
 (uṣē.as meny sheets as necessary) 	Examiner Name	Unassigned
Sheet with 1 of 1	Attorney Docket Number	035905-0118
		*

Examiner Cite No.1		U.S. Patent Document			Date of Publication of	Pages, Columns, Lines,	
	common from the control of	Number	Kind Code ² (if itnown)	Name of Patenties or Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	
	A127	6,208,545		Leedy	3/27/2001		

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Foreign Patent Document Office ³ Number ^a Kind Code ³ (#known)	Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Papes, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

COTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS Examiner Initials* Cite No.1 Include name of the author (in CAPITAL LETTERS); title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.			

Examiner Signature Long PRAM	Date Considered	4/22/04.

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*Unique citation designation number. *See effacted Kinds of U.S. Patent Documents. *Enter Office that issued the document, by the two-letter code (MPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serted number of the patent document. *Gind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. *Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the Individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trudement Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS: SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.